

# New Product Summary

Launch Date – 1<sup>st</sup> November 2006  
Under NDA Until - 1<sup>st</sup> October 2006

Epson  
EMP **TW700**

## The ultimate home cinema experience

Experience the thrill of the cinema in the comfort of your own home. The Epson EMP-TW700 lets you enjoy all your favourite movies, sports, video games and more on the big screen.

Designed to impress, the Epson EMP-TW700 is a stylish home cinema projector that performs in any room. Use it in bright or dim lighting, and position it wherever you please for perfect pictures. It will turn even the smallest room into a full size cinema.

HD ready, the 720p resolution gives you the highest possible image quality for maximum entertainment. And with the new Fujijon lens, you can enjoy even clearer and sharper images.



 **3LCD** E-TORL **HD ready**

### Key Features

- Flexible projector placement – dual direction lens shift ensures a perfect picture whatever the angle
- Great images in any light – with 1600 ANSI lumens brightness and 10000:1 contrast ratio
- Colours so natural images spring to life – thanks to 3LCD technology and unique Epson Cinema Filter
- Quick and easy image adjustment – 7 colour modes optimise the image to suit any lighting condition
- View with greater clarity than ever – the new Fujijon lens gives amazing sharpness
- Nothing to disturb your viewing – the fan operates at just 26db for minimum distraction
- Take control, even in the dark – the compact, easy-to-use remote control is conveniently back-lit



Easy to use control panel



## Ordering Information

Description	EMP-TW700 LCD Projector
Part Number	V11H244040DA
Barcode	8715946345154
Carton Dimensions	490x410x295mm
Carton Weight	Net: 7.9kg Gross: 9.0kg



## Screen Size & Projection Distance

Use the Epson Projection Distance Calculator software available from [www.epson.co.uk](http://www.epson.co.uk) for distances and screen sizes not shown below.

## Accessories

### Consumables

**Spare Lamp**  
**V13H010L39 (ELPLP39)**



**Air Filter Set**  
**V13H134A09 (ELPAF09)**

### Screens

**50" Portable Screen**  
**V12H002S06 (ELPSC06)**



**60" Portable Screen**  
**V12H002S07 (ELPSC07)**



**80" Portable Screen**  
**V12H002S08 (ELPSC08)**

### Mountings

**Ceiling Pipe (white)**  
**V12H003P07 (ELPP07)**



**Ceiling Mount**  
**V12H003B20 (ELPMB20)**



### Cables

**VGA Computer Cable HD-15 to HD-15 1.8m (ELPKC02)**  
**V12H005C02**



**VGA Computer Cable HD-15 to HD-15 3.0m (ELPKC09)**  
**V12H005C09**

**VGA Computer Cable HD-15 to HD-15 20m (ELPKC10)**  
**V12H005C10**

## What's in the Box

### Projector



### Remote Control stick type

**2 x AAA alkali batteries**  
for the remote control



**Power Cable**  
3m black cable



### D Scart Adapter



### Read This First Booklet

Explains the contents of the box and which manuals the user should refer to.

### Setup Guide

Contains information on basic operations for preparing the projector before use (setup and connecting video equipment or a computer) and for starting projection.

### Document CD-ROM

Contains information on common and useful functions, configuration, troubleshooting, and maintenance.

**Safety Instructions**  
**/ World Wide Warranty Terms**

# Specifications

## Model

Epson EMP-TW700

## Projection System

3LCD RGB Liquid-Crystal Shutter Projection System

## Projection Method

Front / Rear / Ceiling Mount

## Specification of main parts

### LCD

Size: 0.7 inches with MLA (D5)  
Driving Method: Poly-silicon TFT Active Matrix  
Pixel Number: 921,600 dots (1280x720) x3  
Native Resolution: 720p  
Aspect Ratio: 16:9  
Pixel Arrangement: Stripe  
Refresh Rate: 50Hz-60Hz (based on input signal)

### Projection Lens

Type: Manual focus / zoom  
F-Number: 2.0 – 3.17  
Focal Length: 22.5 mm – 47.2 mm  
Zoom Ratio: 1.0-2.1  
Lens Cover: yes

### Lamp

Type: 170 W UHE  
Life: 2000h (Colour Mode: Dynamic, Living Room, sRGB, Natural, Theatre), 3000h (Colour Mode: Theatre Black 1 and 2)

### Optical System

Dichroic Mirror Separation & Prism combine Method

## Screen Size (Projected Distance)

30" to 300" [0.93 to 9.61 m] (Zoom: Wide),

30" to 300" [2.00 to 20.35 m] (Zoom: Tele)

## Brightness

### High Brightness Mode

1600 lumens (Colour mode: Dynamic, Zoom: Wide, Lens shift: V10/ H centre)

### Low Brightness Mode

400 lumens (Colour mode: Theatre Black 1, Zoom: Wide, Lens shift: V10/ H centre)

## Contrast

10000:1 (Colour mode: Dynamic, Zoom: Wide, Lens shift: Full: Auto Iris: On)

## Brightness Uniformity

87.9% (Lens shift : V10/ H centre)

## Remote Control Infrared Receiver Directivity

Right/ Left: -30 to +30 degrees  
Upper/ Lower: -30 to +30 degrees

## Effective Scanning Frequency Range *analogue*

### Pixel clock

13.5MHz to 110MHz

### Horizontal

15KHz to 92KHz

### Vertical

50Hz to 85Hz

## Effective Scanning Frequency Range *digital*

### Pixel clock

13.5MHz to 81MHz

### Horizontal

15KHz to 60KHz

### Vertical

50Hz to 85Hz

## Adjustment Functions

### Projector / Remote Control

Keystone vertical, Brightness, Contrast, Tint, Saturation, Input Signal etc

Foot adjuster: front side

### Tilt Angle

0 to 2.1 degrees

### Keystone Correction

Vertical: -15 to +15 degrees (Zoom: Tele)

### Security Functions

Key-lock, Child-lock

## Analogue RGB I/O

### Display Performance

Native : 750p

### Input Signal

Signal Type: Separate signal

Video Signal: Analogue (0.7V p-p, 75 ohm / Mac0.714Vp-p, 75ohm)

Sync. Signal: Separate(positive&negative, bi-polarity 2-5Vpp) /

Composite(positive&negative, bi-polarity 2-5Vpp) /

Sync-on-green(negative, 0.3Vpp)

### Input Terminal

Video: D-sub 15pin x1 Blue moulding

## HDMI

### Display Performance

Native: 750p

### Input Signal

Signal Type: Separate Signal

Version: 1.2a

Video Signal: TMDS

### Input Terminal

1x HDMI

## Video I/O

### Input Signal (Composite)

Video Standard: NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM

Video Signal: Composite Video(1.0Vpp/ Sync.negative, 75 ohm) /

S-Video(Luminous0.714Vpp, Chrominous 0.286Vpp, 75 ohm) /

### Input Terminal (Composite)

Video: Composite Video: RCA (Yellow) x 1

S-Video: Mini DIN

### Input Signal (Component)

Video Standard: 525i/ 625i/ 525p/ 625p/ 750p/ 1125i

### Input Terminal (Component)

3x RCA

### SCART Input

Input Signal: Video Standard 625i

Video Signal: RGB Video

Input Terminal: 1x RCA

## Control I/O

### I/O Terminal

D-sub 9pin x1

### I/O Signal

RS-232C

## Operating Temperature

5°C to 35 °C <41°F to 95 °F>

## Operating Altitude

From 0 feet/ 0 m to 7,500 feet/ 2,286 m

## Start-up Period

12sec (lamp on: 10sec)

## Direct Power On

## Cool-down Period

Approx. 30sec

## Power Supply Voltage

100-240 VAC ±10% , 50/60Hz

## Power Consumption

100V-120V area (Japan, USA etc)

Lamp ON: min. 200W, Standby: 4W

230V area (Europe etc.)

Lamp ON: 200W, Standby: 5W

## Rated Voltage & Current

100 - 240 VAC 3.7 – 1.6A 50/60Hz

## Dimensions

### Excluding Feet

310(D) x 406(W) x 124(H) mm

### Maximum

353(D) x 406(W) x 143(H) mm

## Weight

Approx. 11.9 lbs / 5.4 kg

## Fan Noise

### High Brightness Mode

33dB

### Low Brightness Mode

26dB

## Accessories

### Remote Control

Batteries (AAA Alkali battery x 2 for the remote control)

Power Cable 3m

D Scart Adapter

User's Manual Set

## Optional Accessories

V13H010L39 Spare Lamp (ELPLP39)

V13H134A09 Air Filter (ELPAF09)

V12H002S06 50" Portable Screen (ELPSC06)

V12H002S07 60" Portable Screen (ELPSC07)

V12H002S08 80" Portable Screen (ELPSC08)

V12H003P07 Ceiling Pipe (white) (ELPPF07)

V12H003B20 Ceiling Mount (ELPMB20)

V12H005C02 VGA Computer Cable HD-15 to HD-15 1.8m (ELPKC02)

V12H005C09 VGA Computer Cable HD-15 to HD-15 3.0m (ELPKC09)

V12H005C10 VGA Computer Cable HD-15 to HD-15 20m (ELPKC10)

